POCAN® KU 1-7635 POS151 000000

Polycarbonate + PBT

LANXESS Asia/Pacific

Message:

PBT+PC, 30 % glass fibers, injection molding, low tendency to warp, improved surface finish, UV-stabilized

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	UV Stabilizer		
Features	Good Surface Finish Low Warpage		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density (23°C)	1.47	g/cm³	ISO 1183
Apparent Density	0.80	g/cm³	ISO 60
Melt Volume-Flow Rate (MVR) (260°C/2.16 kg)	14.0	cm³/10min	ISO 1133
Molding Shrinkage			ISO 2577
Across Flow : 250°C, 2.00 mm [1]	0.60	%	
Across Flow : 120°C, 4 hr, 2.00 mm [2]	0.20	%	
Flow : 250°C, 2.00 mm [3]	0.30	%	
Flow : 120°C, 4 hr, 2.00 mm [4]	0.20	%	
Water Absorption			ISO 62
Saturation, 23°C	0.30	%	
Equilibrium, 23°C, 50% RH	0.10	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (23°C)	7800	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	100	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	2.4	%	ISO 527-2/5
Flexural Modulus [5] (23°C)	7700	MPa	ISO 178/A
Flexural Stress [6] (23°C)	155	MPa	ISO 178/A
Flexural Strain at Flexural Strength [7] (23°C)	2.5	%	ISO 178/A
ISO Shortname	PBT+PC, GHLMR, 09-080, GF30		ISO 7792
Residual Moisture Content	0.0 to 0.020	%	Karl Fisher
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	< 10	kJ/m²	

23°C	< 10	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	35	kJ/m²	
23°C	35	kJ/m²	
Notched Izod Impact Strength			ISO 180/1A
-40°C	< 10	kJ/m²	
-30°C	< 10	kJ/m²	
23°C	< 10	kJ/m²	
Unnotched Izod Impact Strength			ISO 180/1U
-30°C	35	kJ/m²	
23°C	30	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	165	°C	ISO 75-2/B
1.8 MPa, Unannealed	120	°C	ISO 75-2/A
Vicat Softening Temperature	150	°C	ISO 306/B120
Melting Temperature [8]	225	°C	ISO 11357-3
CLTE			ISO 11359-2
Flow : 23 to 55°C	3.0E-5	cm/cm/°C	
Transverse : 23 to 55°C	7.0E-5	cm/cm/°C	
Electrical	**Nominal Value**	**Unit**	**Test Method**
Comparative Tracking Index (Solution A)	150	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating			UL 94
0.800 mm	HB		
1.60 mm	HB		
Injection	**Nominal Value**	**Unit**	**Test Method**
Drying Temperature - Circulation Dryer	120	°C	
Drying Time - Circulation Dryer	4.0 to 8.0	hr	
Processing (Melt) Temp	250 to 260	°C	
Mold Temperature	80.0 to 100	°C	
NOTE			
1.	60x60x2mm, 80°C MT, 600 bar		
2.	60x60x2mm		
3.	60x60x2mm, 80°C MT, 600 bar		
4.	60x60x2mm		
5.	2.0 mm/min		
6.	2.0 mm/min		
7.	2 mm/min		
8.	10°C/min		

infringement occurs, please contact us immediately.

Recommended distributors for this material

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